
CENPO Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254153

Unit: 0.1 mg

Description:

Accurate chromosome segregation during mitosis requires a kinetochore to assemble correctly at the centromere of each chromatid and form a dynamic interface with the microtubules of the mitotic spindle. The kinetochore assembly includes the multisubunit CENP-H/I complex which can be divided into three functional classes based on phenotype analysis. One of these classes is referred to as the CENP-O class of proteins of which CENPO is the exemplar. These proteins form a stable complex with each other and are required for proper kinetochore function and for recovery from mitotic spindle damage. CENPO has also been shown to be an auto-antigen in a small population of anti-centromere antibodies- (ACA-) positive patients with scleroderma.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: CENPO; Centromere protein O; CENP-O; interphase centromere complex protein 36

Accession No.: NP_077298

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human CENPO.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.